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### Amendments to the Claims:

## This listing of claims replaces all prior versions and listings of claims in the application:

#### Listing of Claims:

#### 1-33. (Canceled)

## 34. (New) A semiconductor device comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction.

#### 35. (New) A semiconductor device comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction; and

wherein the semiconductor film comprises:

nitrogen with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, carbon with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, and oxygen with a concentration less than 1 x  $10^{19}$  atoms/cm<sup>3</sup>.

#### 36. (New) A semiconductor device comprising:

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a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction; and

wherein the semiconductor film is obtained by crystallizing an amorphous semiconductor film formed by intermittent electric discharge while setting a repetition frequency to 10 kHz or below and a duty ratio to 50% or below.

### 37. (New) A semiconductor device comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction;

wherein the semiconductor film comprises:

nitrogen with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>; carbon with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>; and oxygen with a concentration less than 1 x  $10^{19}$  atoms/cm<sup>3</sup>,

wherein the semiconductor film is obtained by crystallizing an amorphous semiconductor film formed by intermittent electric discharge while setting a repetition frequency to 10 kHz or below and a duty ratio to 50% or below.

- 38. (New) A semiconductor device according to claim 34, wherein a thickness of the semiconductor film is in a range from 10 nm through 100 nm.
- 39. (New) A semiconductor device according to claim 35, wherein a thickness of the semiconductor film is in a range from 10 nm through 100 nm.

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40. (New) A semiconductor device according to claim 36, wherein a thickness of the semiconductor film is in a range from 10 nm through 100 nm.

- 41. (New) A semiconductor device according to claim 37, wherein a thickness of the semiconductor film is in a range from 10 nm through 100 nm.
- 42. (New) A semiconductor device according to claim 34, wherein the semiconductor film forms a channel formation region.
- 43. (New) A semiconductor device according to claim 35, wherein the semiconductor film forms a channel formation region.
- 44. (New) A semiconductor device according to claim 36, wherein the semiconductor film forms a channel formation region.
- 45. (New) A semiconductor device according to claim 37, wherein the semiconductor film forms a channel formation region.
- 46. (New) A semiconductor device according to claim 34, wherein the semiconductor device is an EL display device.
- 47. (New) A semiconductor device according to claim 35, wherein the semiconductor device is an EL display device.
- 48. (New) A semiconductor device according to claim 36, wherein the semiconductor device is an EL display device.

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49. (New) A semiconductor device according to claim 37, wherein the semiconductor device is an EL display device.

## 50. (New) A portable data terminal comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction.

### 51. (New) A video camera comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction.

#### 52. (New) A still camera comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction.

# 53. (New) A personal computer comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

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wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction.

#### 54. (New) A television comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction.

#### 55. (New) A projector comprising:

a semiconductor film having a polycrystal structure with a composition ratio of germanium to silicon being 0.1 atomic percent or more and 10 atomic percent or below; and a wiring adjacent to the semiconductor film,

wherein {101} planes in the semiconductor film reach 30% or more of all lattice planes detected by electron backscatter diffraction.

56. (New) A portable data terminal according to claim 50,

wherein the semiconductor film comprises:

nitrogen with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, carbon with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, and oxygen with a concentration less than 1 x  $10^{19}$  atoms/cm<sup>3</sup>.

57. (New) A video camera according to claim 51,

wherein the semiconductor film comprises:

nitrogen with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, carbon with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, and oxygen with a concentration less than 1 x  $10^{19}$  atoms/cm<sup>3</sup>.

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wherein the semiconductor film comprises:

58. (New) A still camera according to claim 52,

nitrogen with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, carbon with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, and oxygen with a concentration less than 1 x  $10^{19}$  atoms/cm<sup>3</sup>.

59. (New) A personal computer according to claim 53,

wherein the semiconductor film comprises:

nitrogen with a concentration less than  $5 \times 10^{18}$  atoms/cm<sup>3</sup>, carbon with a concentration less than  $5 \times 10^{18}$  atoms/cm<sup>3</sup>, and oxygen with a concentration less than  $1 \times 10^{19}$  atoms/cm<sup>3</sup>.

60. (New) A television according to claim 54,

wherein the semiconductor film comprises:

nitrogen with a concentration less than  $5 \times 10^{18}$  atoms/cm<sup>3</sup>, carbon with a concentration less than  $5 \times 10^{18}$  atoms/cm<sup>3</sup>, and oxygen with a concentration less than  $1 \times 10^{19}$  atoms/cm<sup>3</sup>.

61. (New) A projector according to claim 55,

wherein the semiconductor film comprises:

nitrogen with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, carbon with a concentration less than 5 x  $10^{18}$  atoms/cm<sup>3</sup>, and oxygen with a concentration less than 1 x  $10^{19}$  atoms/cm<sup>3</sup>.

62. (New) A portable data terminal according to claim 50,

wherein the semiconductor film is obtained by crystallizing an amorphous semiconductor film formed by intermittent electric discharge while setting a repetition frequency to 10 kHz or below and a duty ratio to 50% or below.

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# 63. (New) A video camera according to claim 51,

wherein the semiconductor film is obtained by crystallizing an amorphous semiconductor film formed by intermittent electric discharge while setting a repetition frequency to 10 kHz or below and a duty ratio to 50% or below.

### 64. (New) A still camera according to claim 52,

wherein the semiconductor film is obtained by crystallizing an amorphous semiconductor film formed by intermittent electric discharge while setting a repetition frequency to 10 kHz or below and a duty ratio to 50% or below.

# 65. (New) A personal computer according to claim 53,

wherein the semiconductor film is obtained by crystallizing an amorphous semiconductor film formed by intermittent electric discharge while setting a repetition frequency to 10 kHz or below and a duty ratio to 50% or below.

### 66. (New) A television according to claim 54,

wherein the semiconductor film is obtained by crystallizing an amorphous semiconductor film formed by intermittent electric discharge while setting a repetition frequency to 10 kHz or below and a duty ratio to 50% or below.

#### 67. (New) A projector according to claim 55,

wherein the semiconductor film is obtained by crystallizing an amorphous semiconductor film formed by intermittent electric discharge while setting a repetition frequency to 10 kHz or below and a duty ratio to 50% or below.